

# ***CALIFORNIA HIGH-SPEED RAIL UPDATE***

**Granada Hills North  
Neighborhood  
Council**



**November 2011**

# ***AGENDA***

- 1. Project Overview**
- 2. Why High-Speed Rail**
- 3. Palmdale-Los Angeles section**
- 4. 2012 Business Plan**
- 5. How to Get Involved**

# CALIFORNIA HIGH-SPEED TRAIN

*State's Largest Public Infrastructure Project*

- First phase of 520 miles; 800 miles when full system is realized
- Operating speeds up to 220 mph; 90-125 mph in urban areas
- 100% clean electric power
- Safely grade-separated
- Reliable, easy way to travel
- Creates jobs/strengthens economy



# ***WHY WE NEED IT***

## **Population Growth**

- California's population now: 38 million. By 2050: 60 million

## **Mobility**

- Economic power stems from the ability to move people and goods around the state
- Interconnectivity with existing transportation

## **Jobs**

- 100,000 jobs next five years for initial construction
- 1.2 – 1.4 million jobs over 20 years for Phase 1 construction
- 4,500 permanent operations jobs
- 100,000-450,000 new non-HSR permanent jobs by 2040

## **Environment**

- Increased transportation without increased air pollution
- Increased energy independence and decreased consumption of fossil fuels



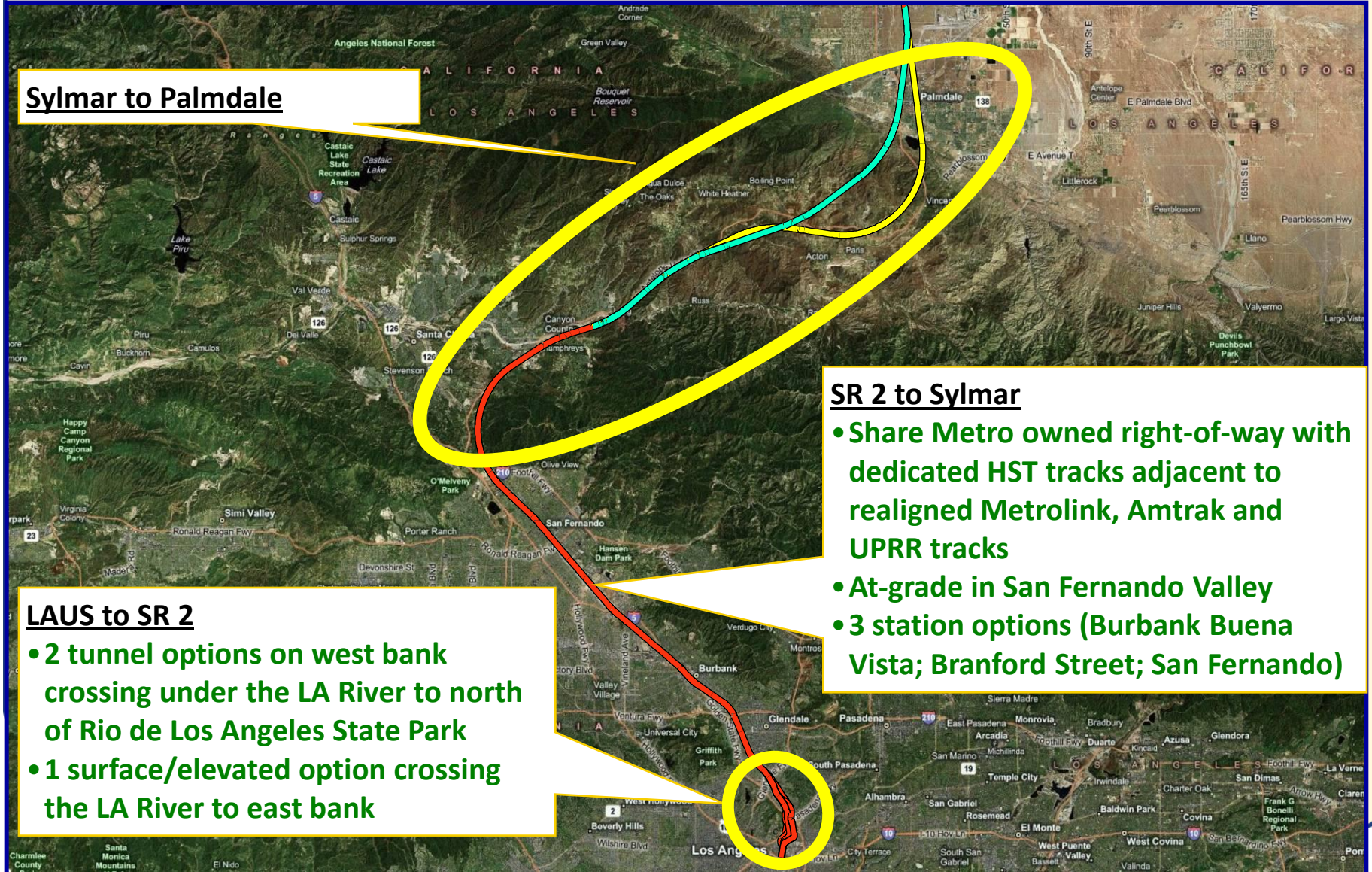
## ADVANTAGE HSR

	\$78 – 98 billion	\$171 billion
	HSR	Business as Usual
Cost	✓	
Job creation – construction, permanent O&M, indirect	✓	✓
Private investment	✓	
Reduced auto use	✓	
Air quality improvement	✓	
Transit-oriented development	✓	
Feasibility	✓	
Safety	✓	
Reduced oil consumption	✓	
Travel time savings	✓	
Operations & maintenance costs	✓	



# PALMDALE TO LOS ANGELES OVERVIEW

## Sylmar to Palmdale



## SR 2 to Sylmar

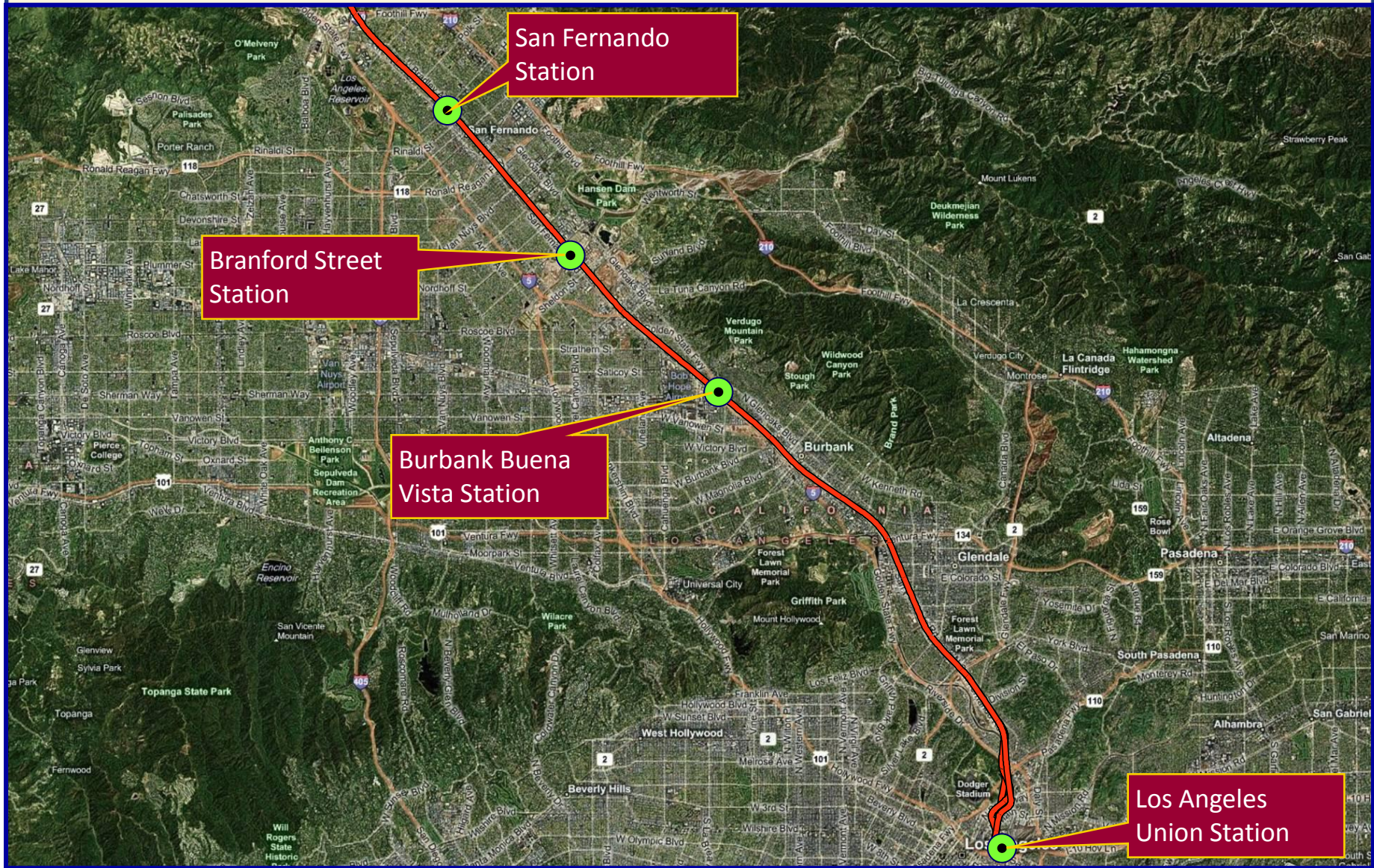
- Share Metro owned right-of-way with dedicated HST tracks adjacent to realigned Metrolink, Amtrak and UPRR tracks
- At-grade in San Fernando Valley
- 3 station options (Burbank Buena Vista; Branford Street; San Fernando)

## LAUS to SR 2

- 2 tunnel options on west bank crossing under the LA River to north of Rio de Los Angeles State Park
- 1 surface/elevated option crossing the LA River to east bank

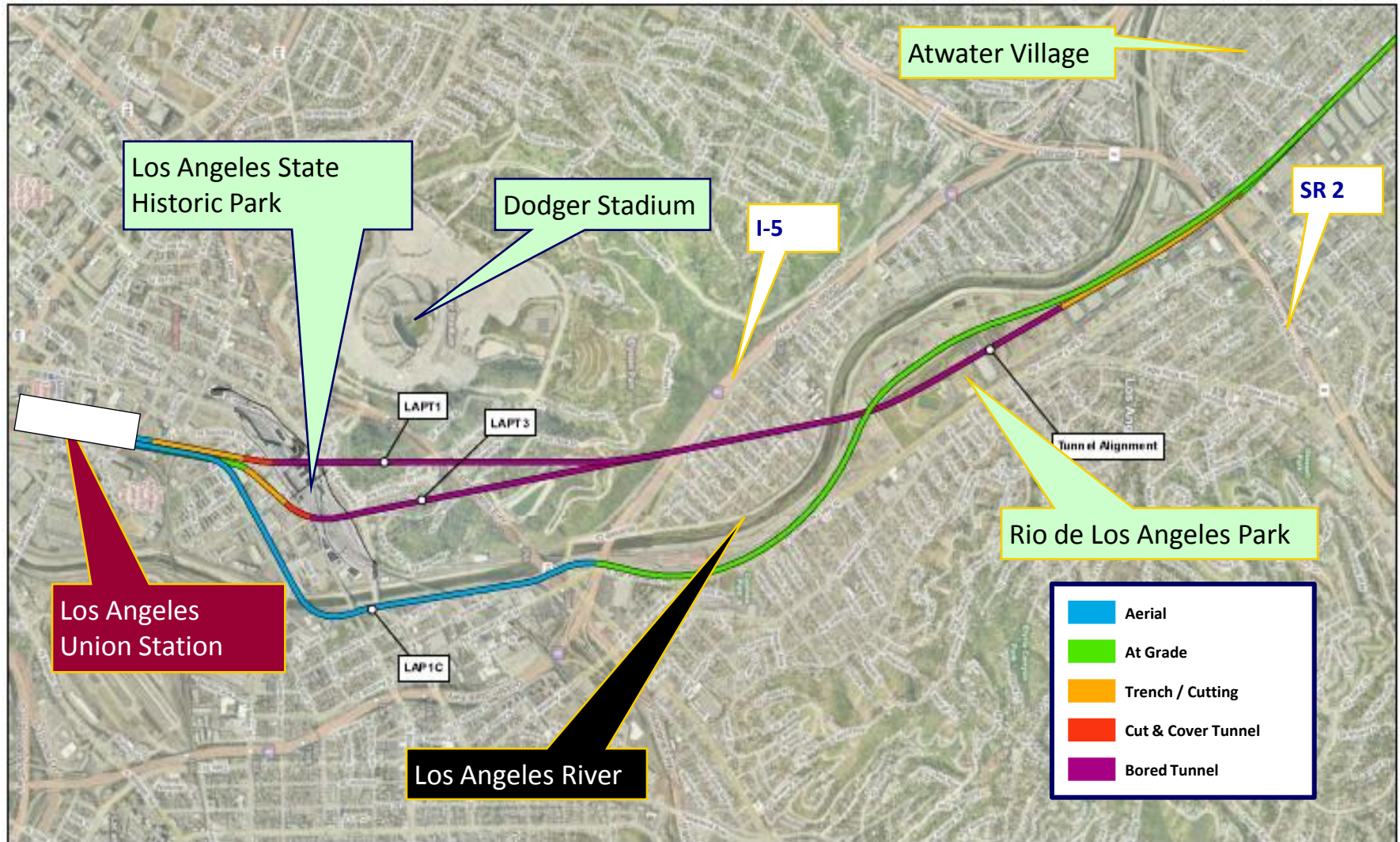


# SAN FERNANDO VALLEY STATION LOCATION OPTIONS



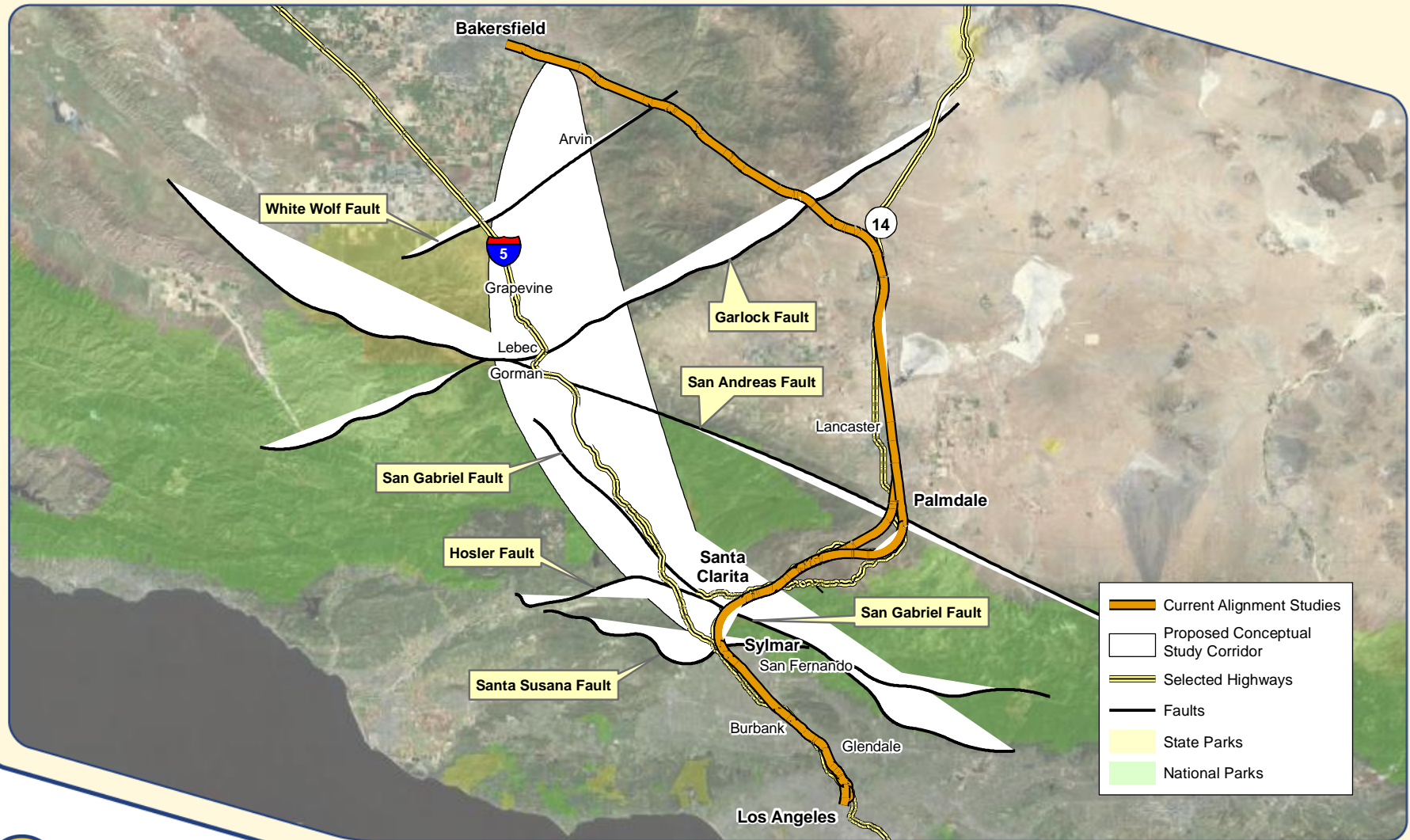


# LAUS TO SR 2 ALIGNMENT ALTERNATIVES





# CONCEPTUAL I-5 STUDY CORRIDOR



# ***2012 BUSINESS PLAN***

## Approach:

- Phased implementation
- Blended operations
- Ridership and revenue projections
- Schedule



# ***PHASING OF THE SYSTEM***

Step 1 - Initial Construction Section

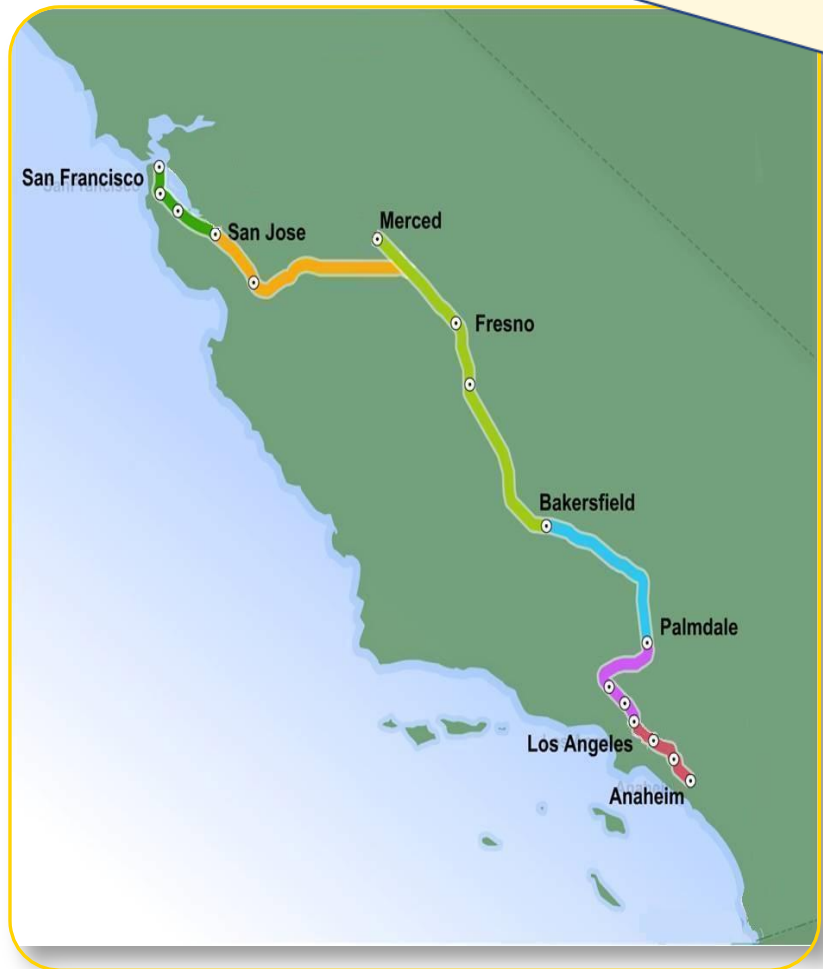
Step 2 – Initial Operating Section (N or S) / blended operations

Step 3 – Bay to Basin (B2B)

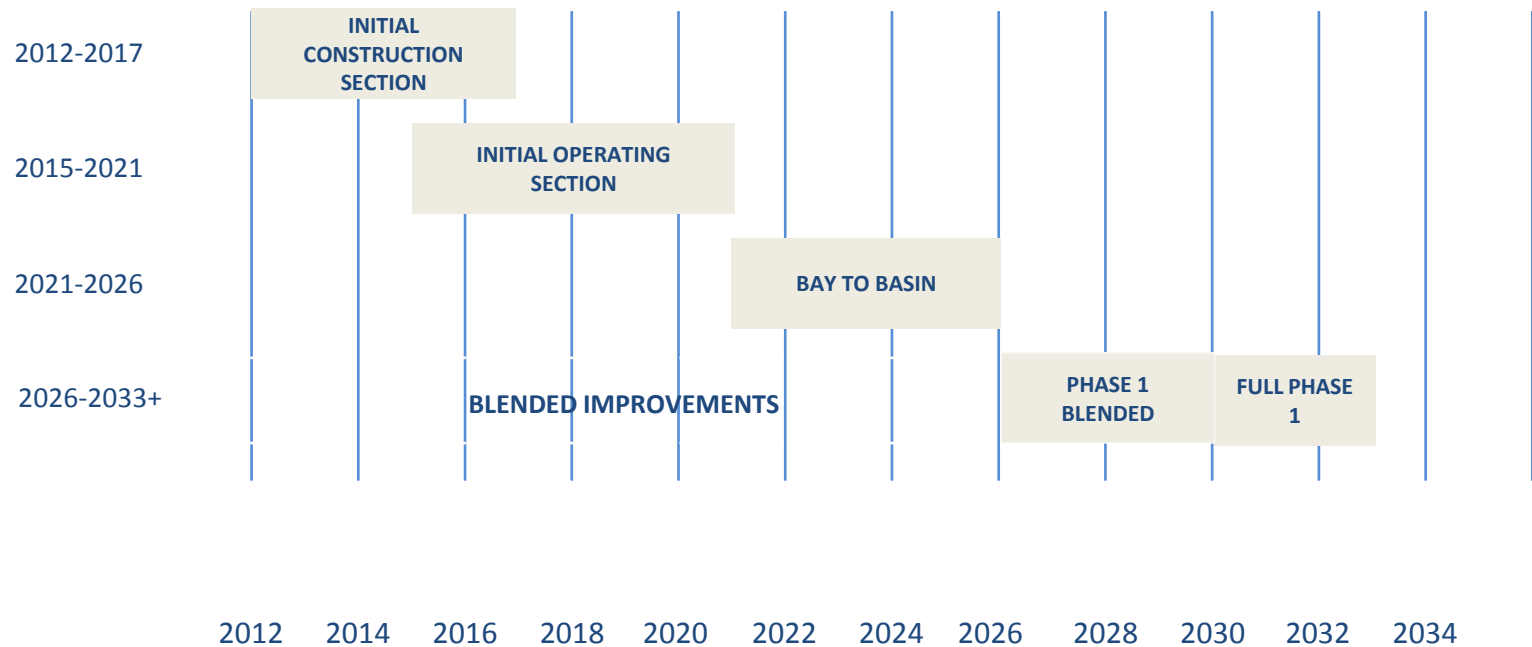
Step 4 – Phase 1 Blended

Step 5 – Phase 1/Full HSR

Step 6 – Phase 2



# ***PHASED IMPLEMENTATION***





## ***STAYING UP TO SPEED***

### **California High-Speed Rail Authority**

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Sacramento, CA 95814

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